

FIG. 1
(PRIOR ART)

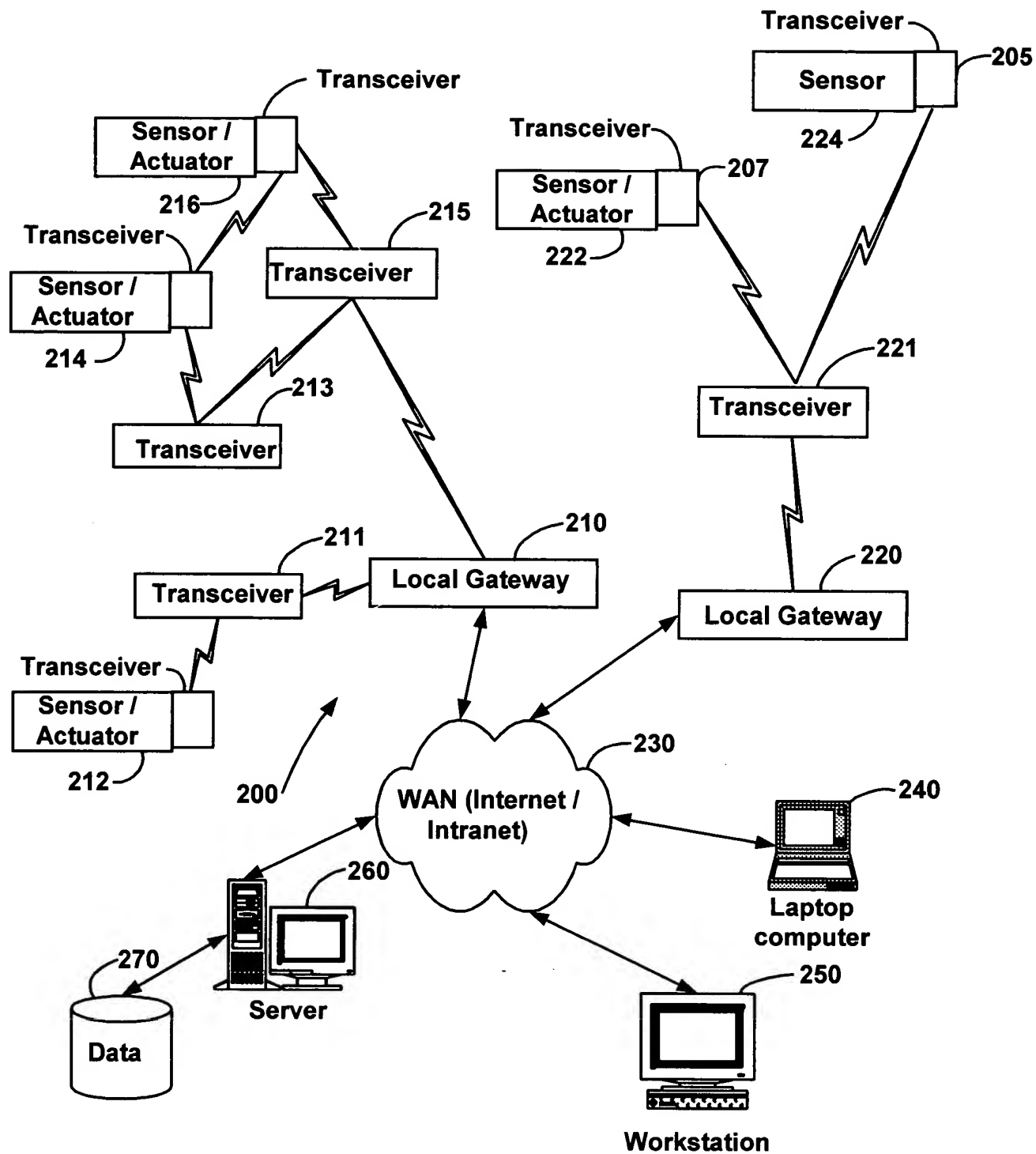


FIG. 2

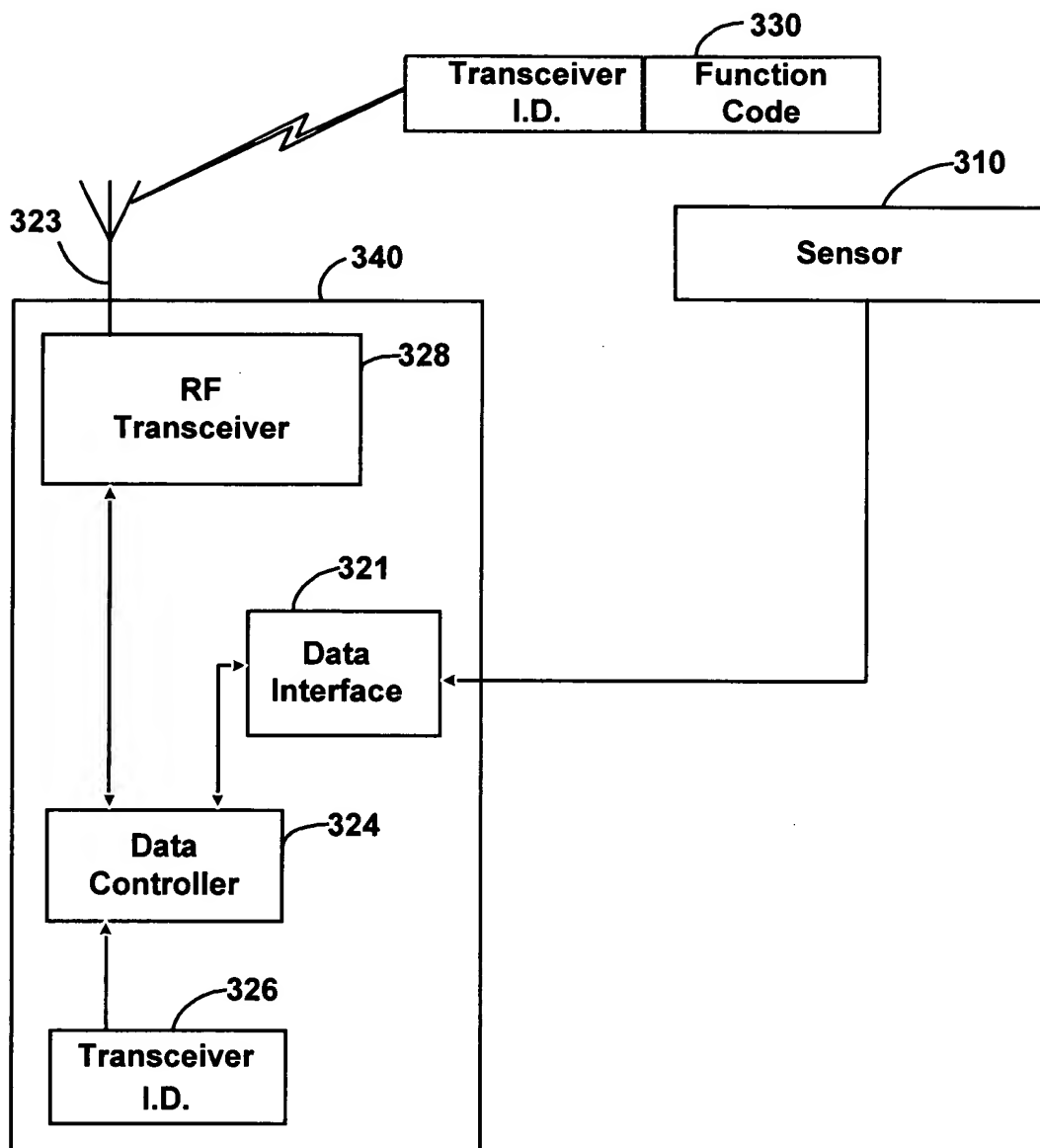


FIG. 3

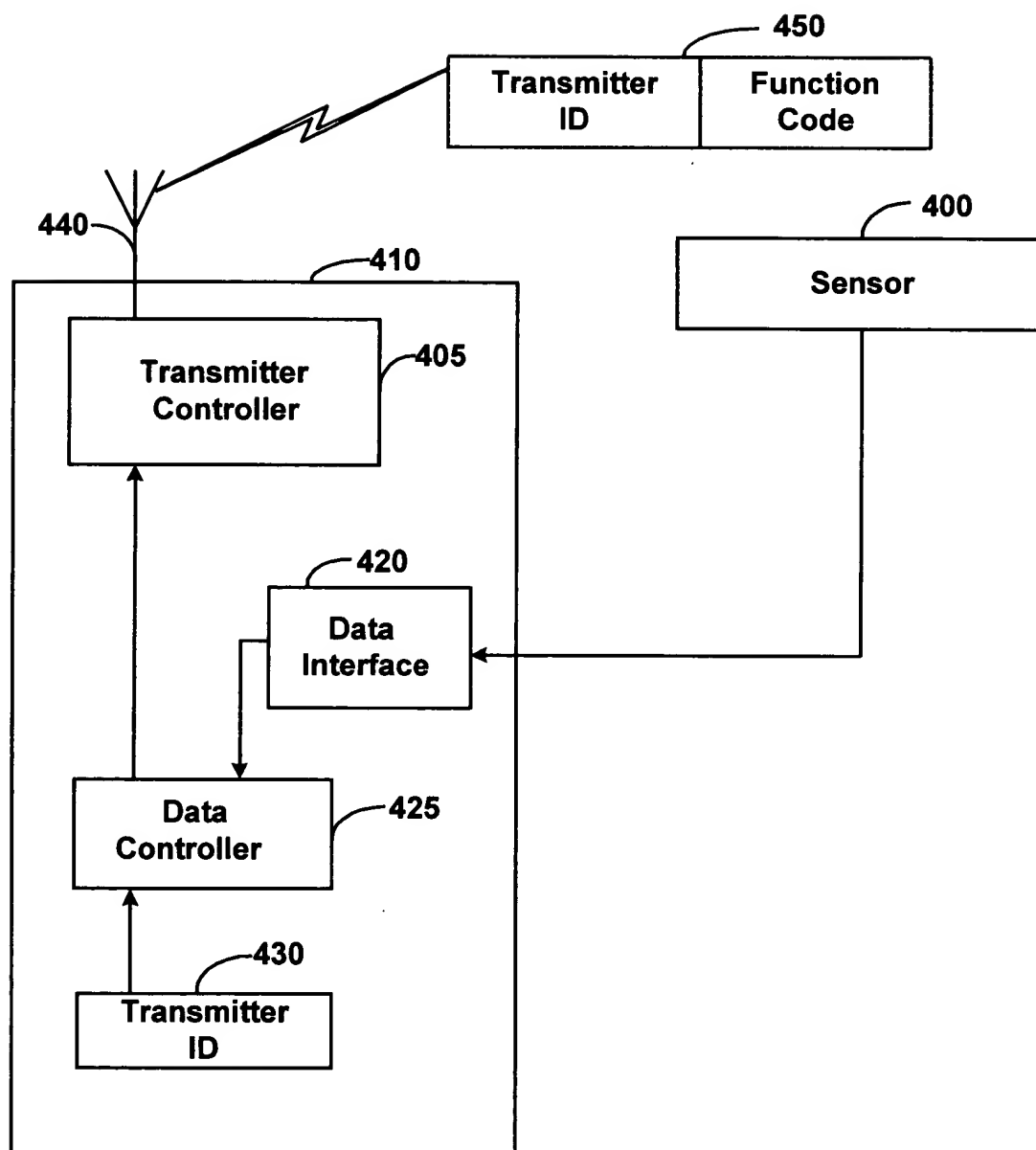


FIG. 4

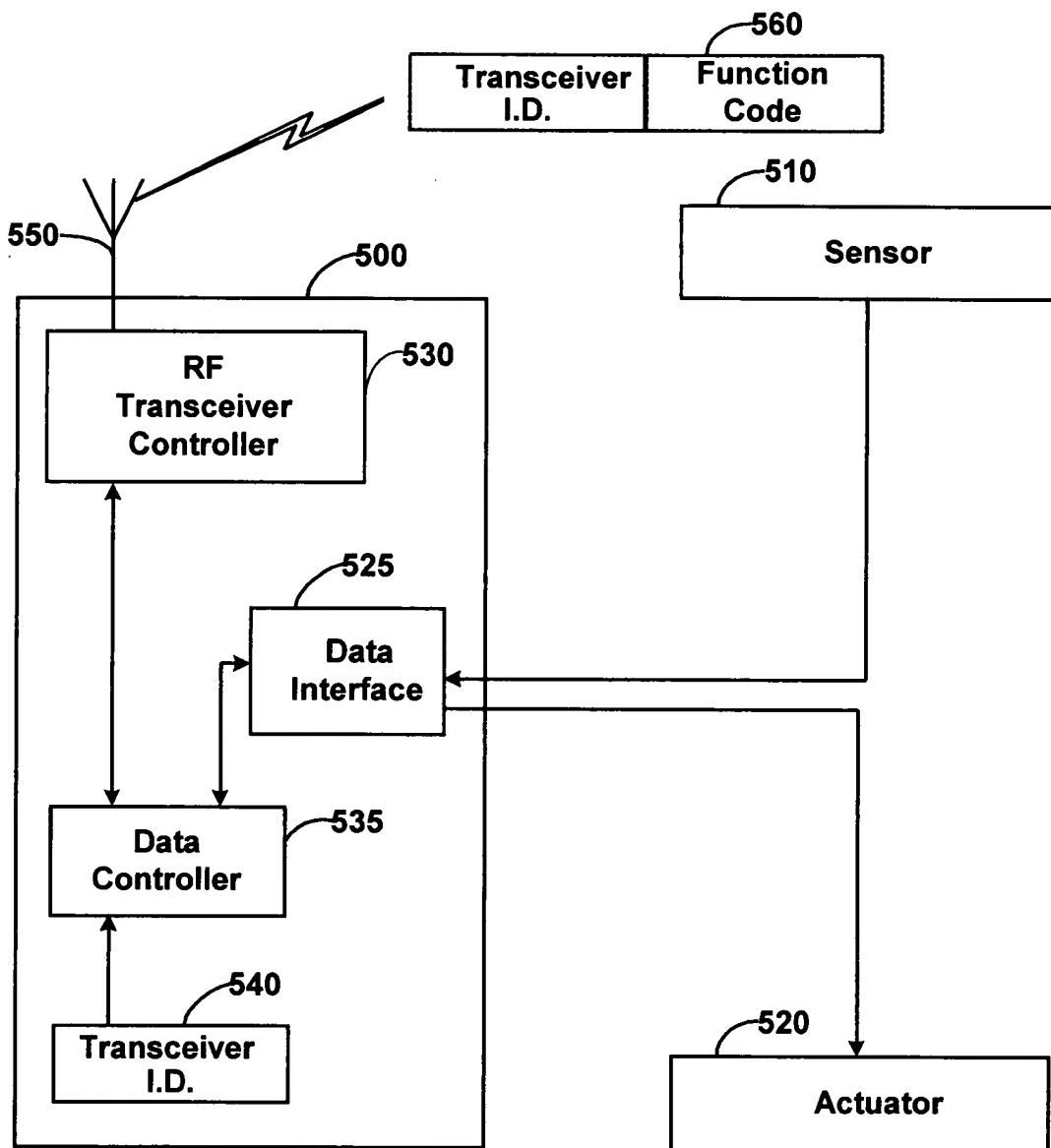


FIG. 5

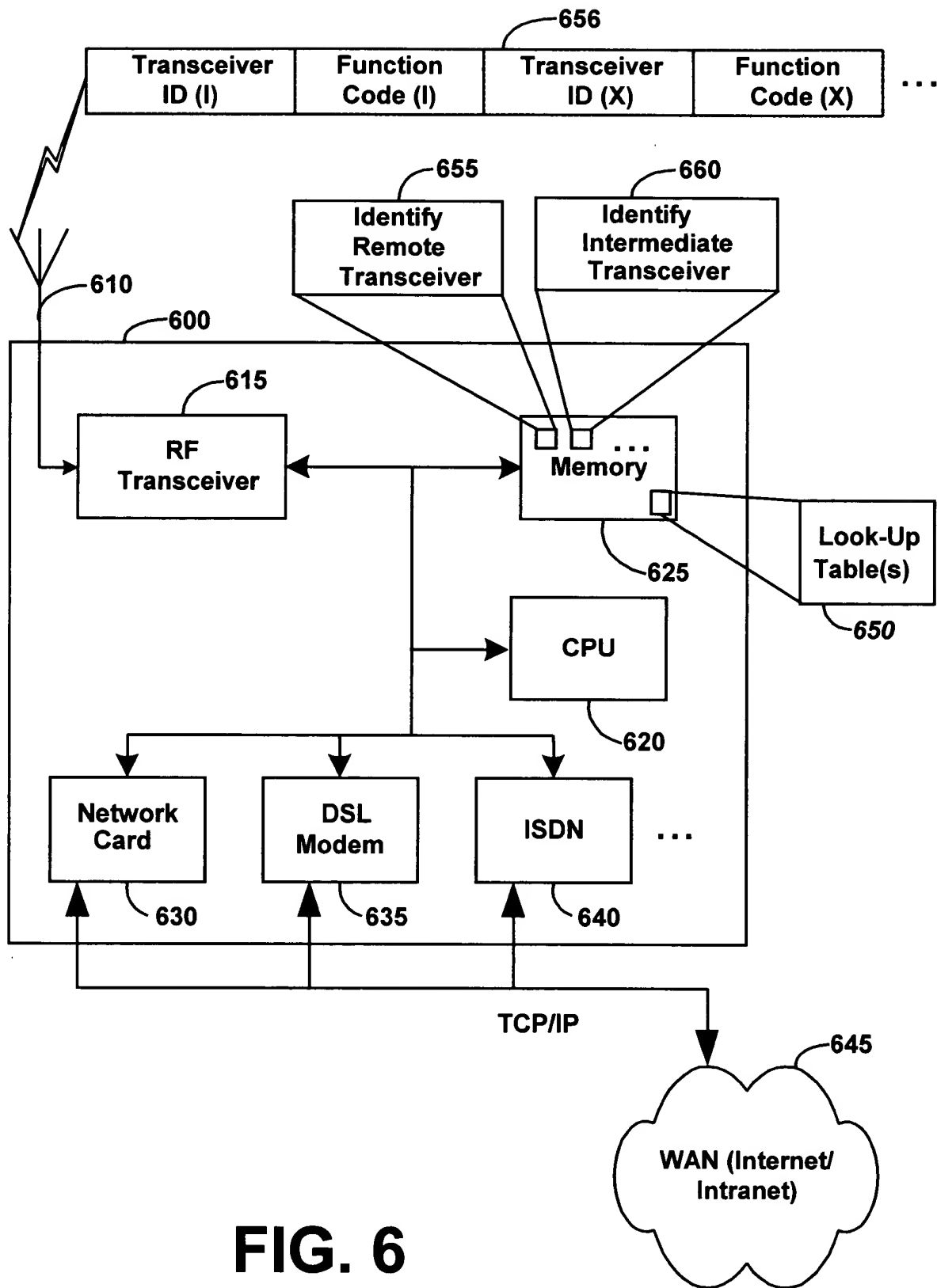


FIG. 6

FIG. 7 Message Structure

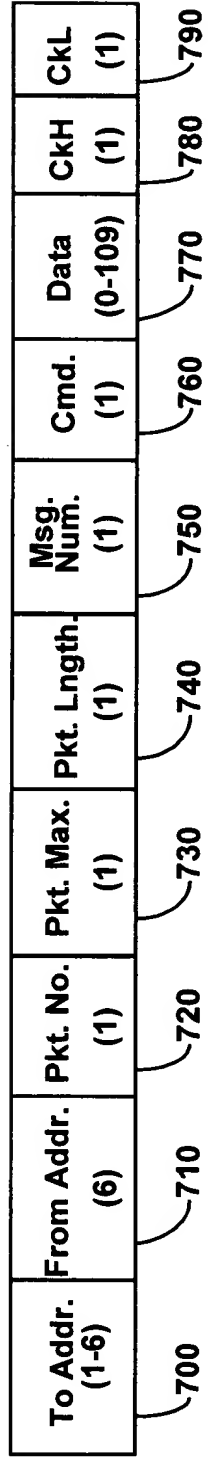


FIG. 8

"To Address"

Byte Assignment:

MSB - Byte 1	FF-F0 (16) - Broadcast All Devices (1 Byte Address)
Device Type	EF-1F (224) - Device Type Base (2 to 6 Byte Address)
	0F-00 (16) - Personal Transceiver Identification (6 Byte Address)
Byte 2	FF-F0 (16) - Broadcast all Devices (Byte 1 Type)
Mfg./Owner ID	(2 Byte Broadcast Address)
	EF-00 (240) - Mfg./Owner Code Identification Number
Byte 3	FF-F0 (16) - Broadcast all Devices (Byte 1 & Byte 2 Type)
Mfg./Owner Extension ID	(3 Byte Broadcast Address)
	EF-00 (240) - Device Type/Mfg./Owner Code ID Number
Byte 4	FF-F0 (16) - Broadcast all Devices (Byte 1 & Byte 2 Type)
	(4 Byte Broadcast Address)
	EF-00 (240) - ID Number
Byte 5	(FF-00) 256 - Identification Number
Byte 6	(FF-00) 256 - Identification Number

Sample Messages

Central Server to Personal Transceiver - Broadcast Message - FF (Emergency)

Byte Count = 12

910

To Addr.	From Addr.	Pkt. No.	Pkt. Max.	Pkt. Lngth.	Cmd.	CkH	CkL
(FF)	(12345678)	(00)	(00)	(0C)	(FF)	(02)	(9E)

First Transceiver to Repeater (Transceiver) Broadcast Message - FF (Emergency)

Byte Count = 17

920

To Addr.	From Addr.	Pkt. No.	Pkt. Max.	Pkt. Lngth.	Cmd.		CkH	CkL
(F0)	(12345678)	(00)	(00)	(11)	(FF)		(03)	(A0)

Data
(A000123456)

**Note: Additional Transceiver Re-Broadcasts do not change the message.
The messages are simply received and re-broadcast.**

Message to Device "A0" From Device "E1" Command - "08" (Respond to PING) Response will reverse "To" and "From" Addresses

Byte Count = 17

930

To Addr.	From Addr.	P #	P Max.	P Lngth.	Cmd.	Data	CkH	CkL
(A012345678)	(E112345678)	(00)	(00)	(11)	(08)	(A5)	(04)	(67)

FIG. 9